

FCC RF EXPOSURE REPORT

FCC ID: KA2IR608A1

Project No. : 1605C154
Equipment : Wireless N 150 Home Router
Model : DIR-608
Applicant : D-Link Corporation
Address : 17595 Mt. Herrmann , FountainValley,
California, United States

According: : FCC Guidelines for Human Exposure IEEE
C95.1

B T L I N C .

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MPE CALCULATION METHOD:

Calculation Method of RF Safety Distance:

$$S = \frac{PG}{4\pi r^2} = \frac{EIRP}{4\pi r^2}$$

where:

S = power density

P = power input to the antenna

G = power gain of the antenna in the direction of interest relative to an isotropic radiator

R = distance to the center of radiation of the antenna

Table for Filed Antenna

Ant.	Brand	Model Name	Antenna Type	Connector	Gain(dBi)
1	D-Link	N/A	Dipole	N/A	5

TEST RESULTS

EUT :	Wireless N 150 Home Router	Model Name :	DIR-608
Temperature :	25 °C	Relative Humidity:	55 %
Test Voltage :	AC 120V/60Hz		
Test Mode :	TX B MODE/CH01, CH06, CH11		

Antenna Gain (dBi)	Antenna Gain (numeric)	Peak Output Power (dBm)	Peak Output Power (mW)	Power Density (S) (mW/cm ²)	Limit of Power Density (S) (mW/cm ²)	Test Result
5	3.1623	22.13	163.3052	0.10279	1	Complies
5	3.1623	24.71	295.8012	0.18619	1	Complies
5	3.1623	18.41	69.3426	0.04365	1	Complies

EUT :	Wireless N 150 Home Router	Model Name :	DIR-608
Temperature :	25 °C	Relative Humidity:	55 %
Test Voltage :	AC 120V/60Hz		
Test Mode :	TX G MODE /CH01, CH06, CH11		

Antenna Gain (dBi)	Antenna Gain (numeric)	Peak Output Power (dBm)	Peak Output Power (mW)	Power Density (S) (mW/cm ²)	Limit of Power Density (S) (mW/cm ²)	Test Result
5	3.1623	24.99	315.5005	0.19859	1	Complies
5	3.1623	25.49	353.9973	0.22282	1	Complies
5	3.1623	23.21	209.4112	0.13181	1	Complies

EUT :	Wireless N 150 Home Router	Model Name :	DIR-608
Temperature:	25 °C	Relative Humidity:	55 %
Test Voltage :	AC 120V/60Hz		
Test Mode :	TX N-20M MODE/CH01, CH06, CH11		

Antenna Gain (dBi)	Antenna Gain (numeric)	Peak Output Power (dBm)	Peak Output Power (mW)	Power Density (S) (mW/cm ²)	Limit of Power Density (S) (mW/cm ²)	Test Result
5	3.1623	23.44	220.8005	0.13898	1	Complies
5	3.1623	25.31	339.6253	0.21377	1	Complies
5	3.1623	22.78	189.6706	0.11939	1	Complies

EUT :	Wireless N 150 Home Router	Model Name :	DIR-608
Temperature:	25 °C	Relative Humidity:	55 %
Test Voltage :	AC 120V/60Hz		
Test Mode :	TX N-40M MODE/CH03, CH06, CH09		

Antenna Gain (dBi)	Antenna Gain (numeric)	Peak Output Power (dBm)	Peak Output Power (mW)	Power Density (S) (mW/cm ²)	Limit of Power Density (S) (mW/cm ²)	Test Result
5	3.1623	20.26	106.1696	0.06683	1	Complies
5	3.1623	20.22	105.1962	0.06621	1	Complies
5	3.1623	20.03	100.6932	0.06338	1	Complies

Note: the calculated distance is 20 cm.